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RAW SEQUENCE LISTING PATENT APPLICATION US/09/759,584

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DATE: 03/10/2001 TIME: 04:23:54

INPUT SET: S36479.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1	SEQUENCE LISTING ENTERED
2 3	(1) General Information:
3 4	(1) General Information:
5	(i) APPLICANT: BROEKAERT, WILLEM F.
6	CAMMUE, BRUNO P.A.
7	OSBORN, RUPERT W.
8	REES, SARAH B.
9	TERRAS, FRANKY R.G.
10	VANDERLEYDEN, JOZEF
11	VANDERDEIDEN, OOZEF
12	(ii) TITLE OF INVENTION: BIOCIDAL PROTEINS
13	(II) TITLE OF INVENTION. BIOCIDAL PROTEINS
14	(iii) NUMBER OF SEQUENCES: 59
15	(III) NOTEDER OF BEQUERCES. 33
16	(iv) CORRESPONDENCE ADDRESS:
17	(A) ADDRESSEE: CUSHMAN DARBY & CUSHMAN
18	(B) STREET: 1100 NEW YORK AVENUE, N.W.
19	(C) CITY: WASHINGTON
20	(D) STATE: D.C.
21	(E) COUNTRY: USA
22	(F) ZIP: 20005
23	
24	(v) COMPUTER READABLE FORM:
25	(A) MEDIUM TYPE: Floppy disk
26	(B) COMPUTER: IBM PC compatible
27	(C) OPERATING SYSTEM: PC-DOS/MS-DOS
28	(D) SOFTWARE: PatentIn Release #1.0, Version #1.25
29	
30	(vi) CURRENT APPLICATION DATA:
31	(A) APPLICATION NUMBER: 09/759,584
32	(B) FILING DATE:
33	(C) CLASSIFICATION:
34	
35	(vii) PRIOR APPLICATION DATA:
36	(A) APPLICATION NUMBER: 08/377,687
37	(B) FILING DATE:
38	(wiii) ACCONEY/ACCONE INCORMACION
39 40	(viii) ATTORNEY/AGENT INFORMATION:
41	(A) NAME: KOKULIS, PAUL N.
41	(B) REGISTRATION NUMBER: 16,773 (C) REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
43	(C) REFERENCE/DUCKET NUMBER: 33042/SEE.36525/US/A
44	(ix) TELECOMMUNICATION INFORMATION:
45	(A) TELEPHONE: 202-861-3000
4.5	(A) IDDETIONE. 202-001-3000

(B) TELEFAX: 202-822-0944

## RAW SEQUENCE LISTING PATENT APPLICATION US/09/759,584

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48	(2)	TNEO	INFORMATION FOR SEQ ID NO:1:														
49 50	(4)	INTOKEMITON FOR BEQ ID NO.I.															
51		(i) SEQUENCE CHARACTERISTICS:															
52			(A) LENGTH: 44 amino acids														
53			(B) TYPE: amino acid														
54					RANDI			-	le								
55			(D)	) TO	POLO	GY: :	linea	ar									
56		1221	WOT					ـ د د									
57 58		(ii)	MOLI	FCOTI	5 I I I	PE: I	pept.	ıae									
59		·															
60																	
61		(xi)	SEQ	JENCI	E DES	SCRI	PTIO	N: SI	EQ II	ON C	:1:						
62									_								
63		Gln	Lys	Leu	Cys	Glu	Arg	Pro	Ser	Gly	Thr	$\mathtt{Trp}$	Ser	$\operatorname{Gly}$	Val	Cys	Gly
64		1				5					10					15	
65															_		_
66		Asn	Asn	Asn	Ala	Cys	Lys	Asn	Gln	-	Ile	Asn	Leu	Glu	_	Ala	Arg
67					20					25					30		
68 69		Иic	G1 <sub>32</sub>	Sar	Cys	Δen	Tur	Va 1	Dhe	Dro	λla	Hic	Tare				
70		птъ	СТУ	35	Суз	ASII	тут	val	40	FIO	AIA	птэ	цув				
71																	
72	(2)	INFO	TAMS	ION I	FOR S	SEQ :	ID NO	0:2:									
73																	
74		(i)	SEQU	JENCI	E CHA	ARAC'	reri:	STICS	3:								
75					IGTH:				cids								
76					PE: 6												
77 78					RANDI POLOC			_	Le								
79			(D)	101	POTO	<b>71:</b> -	rriie	a L									
80		(ii)	MOLE	CULE	TYI	PΕ: τ	ept.	ide				٠.					
81		,,								•							
82																	
83																	
84		(xi)	SEQU	JENCI	E DES	CRI	OITS	N: SI	EQ II	ON C	:2:						
85			_	_			_	_	_				_			_	
86			Lys	Leu	Cys		Arg	Pro	Ser	GIY		Trp	Ser	GIY	Val		GIY
87 88		1				5					10					15	
89		Δen	Aen	Δen	Ala	Cve	T.ve	Δen	Gln	Cve	Tla	Δνα	T. <b>-</b> 11	Glu	T.ve	Δla	Δrα
90		ADII	ASII	AJII	20	Cys	шуз	ASII	GIII	25	110	y	шси	Giu	30	niu	Arg
91					_ •										•		
92		His	Gly	Ser	Cys												
93			_	35	_												
94																	
95	(2)	INFOR	ITAMS	ON E	FOR S	SEQ 1	D NO	):3:									
96		( = \	a mor					1m T C C									
97 98		(1)	_		E CHA IGTH:												
99			(B)		E: a				TUD								
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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/759,584

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			INPUT SET: S36479.rd
100		(C) STRANDEDNESS: single	
101		(D) TOPOLOGY: linear	•
102			
103	(ii	) MOLECULE TYPE: peptide	
104			•
105			
106			
107	(xi	) SEQUENCE DESCRIPTION: SEQ ID NO:3:	
108	_		
109		n Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser	Gly Val Cys Gly
110	1	5 10	15
111			
112	Ası	n Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn	
113		20 25	•
114	>		
115	(2) INF	ORMATION FOR SEQ ID NO:4:	
116	,	\	
117	(1	) SEQUENCE CHARACTERISTICS:	
118		(A) LENGTH: 27 amino acids	
119		(B) TYPE: amino acid	
120		(C) STRANDEDNESS: single	
121		(D) TOPOLOGY: linear	
122	122	MOLECULE TWO	
123 124	. (11,	) MOLECULE TYPE: peptide	
124			
125			
127	(vi	SECTIONS DESCRIPTION, SEC ID NO.4.	
128	(X1)	) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
129	G1,	n Lys Leu Cys Glu Arg Pro Ser Gly Thr Xaa Ser	Cly Val Cye Cly
130	1	5 10	15
131	_	7	13
132	Δsı	n Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg	
133	-101	20 25	
134		25	
135	(2) INFO	ORMATION FOR SEQ ID NO:5:	
136	(_,		
137	(i)	SEQUENCE CHARACTERISTICS:	
138	(-/	(A) LENGTH: 30 amino acids	
139		(B) TYPE: amino acid	
140		(C) STRANDEDNESS: single	
141		(D) TOPOLOGY: linear	
142			
143	(ii)	MOLECULE TYPE: peptide	
144		• • •	•
145			
146			
147	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:5:	
148			
149	Glr	Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser	Gly Val Cys Gly
150	1	5 10	15
151			
152	Asr	n Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu	Glu Lys

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153			20			25		IN.	PUT SE 30	T: S36479	۱.۱
	(2)	INFOR	MATION FOR	SEQ ID NO	):6:						
156 157 158 159 160 161 162		(i)	SEQUENCE CH (A) LENGTH (B) TYPE: (C) STRAND (D) TOPOLO	: 23 amin amino aci EDNESS: s	no acids ld single						
163 164 165 166		(ii)	MOLECULE TY	PE: pepti	de						
167 168		(xi)	SEQUENCE DE	SCRIPTION	: SEQ I	NO:	5 :				
169 170 171		Gln 1	Lys Leu Cys ·	Glu Arg 5	Pro Ser	_	Thr Trp 10	Ser Gly		Cys Gly 15	
172 173 174		Asn .	Asn Asn Ala 20	Cys Lys	Asn						
175 ( 176	(2)	INFOR	MATION FOR	SEQ ID NO	):7:						
177 178 179 180 181		(i)	SEQUENCE CHA (A) LENGTH (B) TYPE: (C) STRANDI (D) TOPOLOG	: 25 amin amino aci EDNESS: s	o acids .d single						
183 184 185 186		(ii)	MOLECULE TY	PE: pepti	.de						
187 188		(xi)	SEQUENCE DES	SCRIPTION	: SEQ II	NO:7	<b>'</b> :				
189 190 191		Gln 1	Lys Leu Cys	Glu Arg 5	Pro Ser	_	hr Trp .0	Ser Gly		ys Gly .5	
192 193 194		Asn i	Asn Asn Ala 20	Cys Lys	Asn Gln	Cys 25					
195 ( 196	2)	INFOR	MATION FOR S	SEQ ID NO	:8:						
197 198 199 200 201 202		(i) <i>s</i>	SEQUENCE CHA (A) LENGTH (B) TYPE: 6 (C) STRANDI (D) TOPOLOG	: 26 amin amino aci EDNESS: s	o acids d ingle			÷			
202 203 204 205		(ii) I	MOLECULE TYI	PE: pepti	de						

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09 (	Gln	Lys	Leu	Cys	Gln	Arg	Pro	Ser	Gly	Thr	Trp	Ser	Gly	Val	Cys	Gly
	1	-		_	5				_	10	_		_		15	_
11																•
12	Asn	Asn	Asn	Ala	Cys	Arg	Asn	Gln	Cys	Ile						
13				20					25							
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16																
	(1)			E CHA												
18				NGTH				cias								
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20				RANDI POLO(			_	re								
22		(1)	10.	годос	31	TITLE	21									
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24	,				· <u>-</u>	op o.										
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:6																
7 (2	xi)	SEQU	JENCI	E DES	SCRI	PTIO	N: SI	EQ II	ON C	:9:						
8																
9 (	Gln	Lys	Leu	Cys	Glu	Arg	Pro	Ser	Gly	Thr	Trp	Ser	Gly	Val	Cys	Gly
	1				5					10					15	
1				_				_		_						
	Asn	Ser	Asn	Ala	Cys	Lys	Asn	Gln	-	Ile	Asn					
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6 (2) II 6	NFOR	TATA T	LON	FOR S	PEQ 1	או עו	J: 10									
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		(D)		POLOC												
i)	ii)	MOLE	CULI	E TYP	?E: r	ept:	ide				•					
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		ьeu	cys	GIU	_	Ата	ser	ьys	rnr		ser	Gly	ASN	cys		ASI
	_				5					10					15	
	Chr	Glv	His	Cvs	Asn	Asn	Gln	Cvs	Lvs	Ser	Tro	Glu	Glv	Δla	Δla	His
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				- 4												
G	∃ly .	Ala	Cys	His	Val	Arg	Asn	Gly	Lys	His	Met	Cys	Phe	Cys	Tyr	Phe
	-		35			-		40	-			-	45	-	•	
P	Asn	Cys														

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